

CONSTELLATION

REWINDER



Constellation, the revolutionary new rewinder by Fabio Perini company, ushers in a new era in tissue converting. The result of an innovative patent, it radically changes the winding process. Thanks to its new surface-central system equipped with 4 reciprocating rolls and to the renowned *punzoncini* technology, Constellation automatically creates a “rewinding map” that manages log growth at every phase, guaranteeing **uniform winding from first to last sheet**. A “spontaneous” growth of the log provides high production consistency and maximum embossing yield at every point of the roll.

For this reason, Constellation is designed to simplify daily operations even for less experienced operators, while at the same time making them safer. The new Easy HMI panel developed pursuant to the most recent principles of cognitive ergonomics makes controls extremely intuitive, using easily understandable terminology and icons.

Why CONSTELLATION?



Superior technology for greater value

- ➔ **Uniform winding: hybrid surface-central system** (4 variable speed oscillating rolls with *punzoncini* technology)
- ➔ High performance levels: **high production speeds** and **elimination of vibration**
- ➔ **Consistent log growth**: separate zones for winding start, log growth and log exit
- ➔ **Structured webs: ability to tolerate base sheet imperfections** due to variations in paper caliper



Quality of the finished product

- ➔ **Uniform winding** throughout the roll
- ➔ **Perfect embossing** from first to last sheet
- ➔ **Log diameter increases of up to 17%*** based on the same meters of paper wound
- ➔ Based on the same diameter, **reduction of paper used by up to 22%***
- ➔ **Extremely soft rolls**: base sheet characteristics and softness maintained **also for structured webs**



Ease of use

- ➔ **Quick & intuitive product changeover**: minimum number of parameters to set
- ➔ **Easy HMI: innovative control interface, intuitive and ergonomic**
- ➔ **Restart operations simplified and totally safe**

* Data subject to change based on finished product

Technical characteristics

Type of functioning	Combined surface-central winding through four rolls, web severing through Sincro Evo, winding start with glue	Fixed perforating roll	Fixed roll with 4 blades with axially adjustable
Nominal formats	2700 mm (106.30"), 2800 mm (110.24") and 3600 mm (141.73")	Rotating perforating roll	Two rotating perforation rolls with 6 blades with "variable geometry" (6+2) Double perforation is Standard Perforation length and inclination adjustable by panel (HMI)
Installed power	90 Kw (120,7 HP)	Control system	Easy HMI
Pneumatic system	6 bar	Product characteristics	
Main drive	Independent motor	Log diameter	Min 90 mm (3.54") Max Ø 200 mm (7.87")
Speed	800 mpm (2625 fpm) for formats 2.7 and 2.8	Core diameter min - max	Min 38 mm (1.50") Max 50 mm (1.97")
Maximum production	Up to 60 log/1'	Sheet count	By increments of 1, with no limits, up to max diameter attainment
Web tension control	Through load cells		
Perforation length	From 100 mm (3.94") to 400 mm (15.75")		



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Ease of use



Quality of the finished product

